	Application No.	Applicant(s)
	гфриования.	
Notice of Allowability	10/822,116	HAYASHI, KATSUNORI
Woulde of Allowability	Examiner	Art Unit .
T	TAN X. DINH	2653
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comr IGHTS. This application is	in this application. If not included nunication will be mailed in due course. THIS
1. This communication is responsive to <u>10/28/2005</u> .		
2. The allowed claim(s) is/are <u>1-20</u> .		
 3.) or (f).
Certified copies of the priority documents have		
2. Certified copies of the priority documents have	• •	
Copies of the certified copies of the priority do	cuments have been receiv	ed in this national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Revie	ew (PTO-948) attached
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	,	
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment	or in the Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 	sit of BIOLOGICAL MATER THE DEPOSIT OF B	FERIAL must be submitted. Note the IOLOGICAL MATERIAL.
• • • • • • • • • • • • • • • • • • • •		
Attachment(s) 1. X Notice of References Cited (PTO-892)	5. ☐ Notice of I	nformal Patent Application (PTO-152)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🔲 Interview	Summary (PTO-413),
3. Information Disclosure Statements (PTO-1449 or PTO/SB/C	Paper No 08), 7. ☐ Examiner	o./Mail Date s Amendment/Comment
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛭 Examiner	s Statement of Reasons for Allowance
of Biological Material	9. 🗌 Other	·
		TAN Xuan DINH
		Primary Examiner Art Unit: 2653

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1) The amendment filed 10/28/2005 is acknowledged.

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2) Claims 1-20 are allowed.

The disk array apparatus, comprising a connector provided for connection with an external power supply to receive power from the external power supply, an internal power supply section for supplying the power received from the connector after AC/DC conversion, a plurality of disk drive cabinets, each connected to the internal power supply section, each including a first voltage converter for subjecting the power coming from the internal power supply section to DC conversion to derive a different voltage, a disk drive for receiving the power as a result of conversion by the first voltage converter, a first backup power supply for storing the power provided to the first voltage converter, a communications adapter connected to the internal power supply section for performing data exchange with an external device includes a second voltage converter for subjecting the power coming from the internal power supply section to DC conversion to derive a different voltage, a plurality of power consumption circuits for receiving the power as a result of conversion by the second voltage converter, a second backup power supply for storing the power provided to the second voltage converter, a disk adapter connected to the internal power supply section for controlling data writing or reading to/from the

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disk drive cabinets includes a third voltage converter for subjecting the power coming from the internal power supply section to DC conversion to derive a different voltage, a plurality of power consumption circuits for receiving the power as a result of conversion by the third voltage converter, a third backup power supply for storing the power provided to the third voltage converter, a memory section connected to the internal power supply section for storing data and control information to be written or read to/from the communications adapter and the disk adapter includes a fourth voltage converter to subject the power coming from the internal power supply section to DC conversion to derive a different voltage, a plurality of power consumption circuits for receiving the power as a result of conversion by the fourth voltage converter, a fourth backup power supply for storing the power provided to the fourth voltage converter, a mutual power supply line that is connected to the disk drive cabinets, the communications adapter, the disk adapter, and to the memory section so that when the power from the internal power supply section is interrupted, the mutual power supply line can supply backup power to any of the components in need of power using the first backup power supply provided to each of the disk drive cabinets, the second backup power supply provided to the communications adapter, the third backup

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power supply provided to the disk adapter, and the fourth backup power supply provided to the memory section, as recited in the independent claims, are not found or suggested in the prior art of record.

2) Any inquiry concerning this communication or earlier communications from the examiner should be directed to TAN XUAN DINH whose telephone number is (571)272-7586. The examiner can normally be reached on MONDAY-FRIDAY from 8:00AM to 5:00PM.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov./ Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PRIMARY EXAMINER
November 28, 2005

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